



FACILITY COMPLIANCE AUDIT REPORT

Division of Waste Management

Solid Waste Section

UNIT TYPE:

Lined MSWLF		LCID		YW		Transfer		Compost	X	SLAS		COUNTY: Forsyth PERMIT NO.: 34-23 SWC FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDFL		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Audit: May 17, 2011**Date of Last Audit:** January 25, 2011**FACILITY NAME AND ADDRESS:**

Forum 52 Large, Type I Solid Waste Compost Facility
180 Northstar Drive
Rural Hall, NC 27045

GPS COORDINATES: N: 36.20495 E: 80.28944**FACILITY CONTACT NAME AND PHONE NUMBER:**

Jan McHargue, Solid Waste Administrator

w. 336-747-7310

f. 336-727-8432

janm@cityofws.org

FACILITY CONTACT ADDRESS:

City/County Utilities

Jan McHargue, Solid Waste Administrator

PO Box 2511

Winston-Salem, NC 27102

AUDIT PARTICIPANTS:

John Patrone, NCDENR – Solid Waste Section (SWS)

Ed Gibson, Solid Waste Engineer – City/County Utilities

Billy Hill, Project Supervisor – City/County Utilities

Mike Cooke, WRICO Equipment Corporation

STATUS OF PERMIT:

Permit To Operate (PTO) issued October 6, 2010

PTO expiration date October 6, 2015

PURPOSE OF AUDIT:

Comprehensive Audit

NOTICE OF VIOLATION:

None

You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Statute or Regulations. For the violation(s) noted here, you may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

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STATUS OF PAST NOTED VIOLATION(S):

None

AREAS OF CONCERN AND COMMENTS:

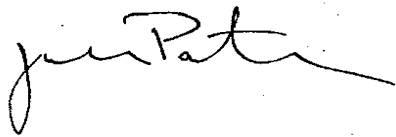
On May 17, 2011, John Patrone met with Ed Gibson, Billy Hill, and Mike Cooke to conduct a comprehensive audit of the Forum 52 Large, Type I Solid Waste Compost Facility on Northstar Drive in Rural Hall, Forsyth County.

1. The facility is a Large, Type I Solid Waste Compost (SWC) Facility. It produces compost from leaves and grass clippings and mulch from land clearing debris. It also produces boiler fuel from ground untreated and unpainted wood and engineered wood products. Wooden pallets are either ground for mulch or boiler fuel, depending on product desired.
2. Compost is given away to commercial businesses and mulch is sold as landscaping product and boiler fuel.
3. The compost and grinding operations are conducted by Mike Cooke - WRICO Equipment Corporation.
4. The facility receives material primarily from the City of Winston-Salem and Forsyth County picked-up from county residents. Due to the isolated location of the facility public use is limited.
5. The facility receives leaves from ~ November through February and land clearing debris primarily from ~ April through October.
6. Windrows are formed as leaves are received. Windrows are monitored for temperature when maximum length, width, and height are achieved.
7. The windrow piles remain static for ~ 6 to 9 months and are turned as they are ground, usually in April and August.
8. During the inspection there were seven windrows, the largest was ~ 200' x 12' x 8', and one small pile of finished compost.
9. The facility conducts temperature readings for three consecutive days prior to compost grinding and giveaway. Temperature readings were conducted on March 28, 29, and 30, 2011 and spot-checked on April 19, 2011 and May 3, 2011. Recorded temperature readings were all $\geq 131^{\circ}\text{F}$.
10. The facility maintains a copy of compost temperature monitoring and thermometer calibration procedures. Mr. Cooke stated that the thermometer will be calibrated in June 2011.
11. During the inspection there was a mixed pile of pallets, untreated and unpainted wood, and engineered wood products and one row of land clearing debris (~ 175' x 25' x 10') and piles of mulch.
12. The facility maintained throughput records for leaves and mulch material. The amount of leaves received from November 2010 through February 2011 is 6,089.36 tons and the amount of mulch material (July 2010 through April 2011) is 2,899.34 tons.
13. Mr. Cooke stated that the leaves will be ground by June 2011 and that leaves received annually in November are routinely given away by July of the following year.
14. Facility capacity is approved for 45,000 tons of mulch material and leaves per composting year.
15. The facility annual report was received on July 26, 2010. Facility throughput from July 2009 through June 2010 is 9,238.03 tons.
16. Fire lanes were maintained around the perimeter of the windrows.
17. The facility appeared to meet all required setbacks.
18. There was no indication of erosion.
19. Stormwater is controlled by three downgradient padded channels that outfall onto a grassy area.
20. WRICO Equipment Corporation personnel are on site ~ two days a week.
21. The facility has proper signage.
22. The facility is secured by a locked gate and scale house operator is on duty during business hours.
23. The permit expiration date is October 6, 2015.
24. Permit renewal application shall be submitted to the SWS prior to permit expiration. It is suggested that it be submitted by June 6, 2015.

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Please contact me if you have any questions or concerns regarding this audit report.



Phone: 336-771-5095 Fax: 336-771-4631

John Patrone
Environmental Senior Specialist
Regional Representative

Delivered on : <u>May 23, 2011</u> by		Hand delivery/e-mail	X	US Mail		Certified No. <u> </u>
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cc: Michael Scott, Section Chief
Jason Watkins, Central Regional Supervisor
Donald Herndon, Compliance Officer
Ed Gibson, Solid Waste Engineer – City/County Utilities